eTable 4. Coefficients for the Radiation Risk Models for Site-Specific Solid Cancer Incidence[a]

	ERR Model				EAR Model			
Cancer Site	B Males	B Females	Age Exp	Att Age	B Males	B Females	Age Exp	Att Age
Oral[b]	0.23	0.53	–0.30	–1.4	0.44	0.29	–0.41	0.50
Esophagus[b]	0.51	0.82	–0.30	–1.4	0.88	0.14	–0.41	2.80
Stomach	0.21	0.48	–0.30	–1.4	4.90	4.90	–0.41	2.80
Colon	0.63	0.43	–0.30	–1.4	3.20	1.60	–0.41	2.80
Rectum[b]	0.12	0.12	–0.30	–1.4	0.34	0.34	–0.41	2.80
Pancreas[b]	0.36	0.36	–0.30	–1.4	0.49	0.49	–0.41	2.80
Liver	0.32	0.32	–0.30	–1.4	2.20	1.00	–0.41	4.10
Lung	0.32	1.40	–0.30	–1.4	2.30	3.40	–0.41	5.20
Breast[c]	NA	NA	NA	NA	NA	9.40	–0.51	3.50, 1.10
Ovary	NA	0.38	–0.30	–1.4	NA	0.70	–0.41	2.80
Uterus	NA	0.06	–0.30	–1.4	NA	1.20	–0.41	2.80
Prostate	0.12	NA	–0.30	–1.4	0.11	NA	–0.41	2.80
Bladder	0.50	1.65	–0.30	–1.4	1.20	0.75	–0.41	6.00
Kidney[b]	0.34	0.34	–0.30	–1.4	0.31	0.31	–0.41	2.80
Brain/CNS[b]	0.71	0.24	–0.3	–1.4	NA	NA	NA	NA
Thyroid	0.53	1.05	–0.83	0	NA	NA	NA	NA

Abbreviations: Age Exp, age at exposure parameter in the BEIR VII risk models[6]; Att Age, attained age parameter in the BEIR VII risk models[6]; B, the β parameter in the "Biological Effects of Ionizing Radiation" (BEIR VII) risk models[6]; CNS, central nervous system; EAR, excess absolute risk; ERR, excess relative risk; NA, not applicable.

[a] Based on the BEIR VII risk models[6] and Preston et al.[18] Lifetime risk was calculated as a weighted average of the ERR model and the EAR model (weighted on the linear scale). For most cancer sites, a weight of 0.7 was used for the ERR model, and 0.3 was used for the EAR model. The exceptions were lung (EAR = 0.7 and ERR = 0.3), breast (ERR = 0 and EAR = 1), and thyroid (ERR = 1 and EAR = 0).

[b] These cancer sites were not included in the BEIR VII report, but the models were developed using the approach from the BEIR VII report.

[c] The breast cancer risk model is from Preston et al.[18] The attained age parameters are for attained age younger than 50 years and older than 50 years, respectively.